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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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IN THE APPLICATION OF

DOCKET No.: 2964R

CARL F. STACHEW ET AL.

SERIAL No.: 09/659,132

EXAMINER: J. JOHNSON

FILED: SEPTEMBER 11, 2000

GROUP ART UNIT: 1764

TITLE: MODIFIED POLYISOBUTYLENE SUCCINIMIDE DISPERSANTS HAVING  
IMPROVED SEAL, SLUDGE, AND DEPOSIT PERFORMANCE

Wickliffe, Ohio

Dated: October 14, 2002

Hon. Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

## AMENDMENT

Please enter the following amendments:

In the claims:

Amend claims 1 and 28 to read as shown:

1. (three times amended) A composition suitable for reducing engine sludge and degradation of elastomer seals comprising  
a major amount of an oil of lubricating viscosity and  
a minor amount of a nitrogen-containing dispersant wherein the nitrogen containing dispersant is a reaction product of  
(I) a hydrocarbyl-substituted succinic acylating agent, wherein more than about 10 to about 20 mole percent of the individual molecules thereof have a hydrocarbyl substituent with a molecular weight of less than 500; wherein the hydrocarbyl

I certify that this correspondence is being deposited with the United States Postal Service as ☒ first class ☐ express mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231 [Exp Mail # \_\_\_\_\_]

on

October 15, 2002

By:

Sheila E. Kelly